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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/811,698	03/29/2004	Masaki Yamamoto	9281-4784	1355	
7590 07/26/2006			EXAMINER		
Brinks Hofer Gilson & Lione P.O. Box 10395 Chicago, IL 60610			TRAN, TI	RANG U	
			ART UNIT	PAPER NUMBER	
			2622	2622	
		DATE MAILED: 07/26/2006			

Please find below and/or attached an Office communication concerning this application or proceeding.

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  Cateriorium of time may be available under the provision of 37 CPR 1.13(a). In no event however, may a reply te limely field  Lift NO period for reply is specified above, the maintain statutory period will apply and will expire SIX (e) MONTHS from the mailing date of this communication of time the maintain statutory period will apply and will expire SIX (e) MONTHS from the maining date of this communication of the provision of the state than throw months after the maining date of this communication, even if timely filled, may reduce any centre place them 40 statements and stateme			Application No.	Applicant(s)				
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### **DETAILED ACTION**

## Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- 2. Claims 1-2 are rejected under 35 U.S.C. 102(a) as being anticipate by the admitted prior art (Fig. 2, pages 1-4 of the Specification).

In considering claim 1, the admitted prior art (Fig. 2, pages 1-4 of the Specification) discloses all the claimed subject matter, note 1) the claimed an input circuit of a television tuner (Fig. 2), comprising a first input terminal to which a television signal is input is met by the first input terminal 51 (Fig. 2, page 1, lines 9-18), 2) the claimed a second input terminal to which an FM broadcasting signal is input is met by the second input terminal 61 (Fig. 2, page 1, line 26 to page 2, line 7), 3) the claimed an input tuning circuit tuned to the television signal and the FM broadcasting signal is met by the input tuning circuit 57 (page 1, line 9 to page 3, line 20), 4) the claimed wherein the first input terminal is connected to an the input end of the input tuning circuit is met by is met by the first input terminal 51 (Fig. 2, page 1, lines 9-18), 5) the claimed first and second diodes serially connected between the second input terminal and the input end of the input tuning circuit and simultaneously switched on or off is met by the switched diodes 64 and 63 (page 1, line 26 to page 3, line 20), 6) the claimed wherein the first diode is input to the input end of the input tuning circuit is met by the switched

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diode 64 (page 1, line 26 to page 3, line 20), 7) the claimed wherein the second diode is provided at the side of the second input terminal is met by the switched diode 63 (page 1, line 26 to page 3, line 20), 8) the claimed an inductance element interposed between the second input terminal and the second diode is met by the inductance element 62 (page 1, line 26 to page 2, line 7), and 9) the claimed a first capacitance element that forms a low pass filter together with the inductance element when the second diode is switched on and is connected between a connection point of the first diode and the second diode and a ground is met by the capacitance element 72 (page 1, line 26 to page 3, line 20).

In considering claim 2, the admitted prior art (Fig. 2, pages 1-4 of the Specification) discloses all the claimed subject matter, note 1) the claimed further comprising a third diode that is switched on or off simultaneously with first and second switches, and is interposed between the inductance element and the second diode is met by the varactor diode 65 (page 2, line 12 to page 3, line 20), and 2) the claimed a second capacitance element that forms a low pass filter together with the inductance element and the first capacitance element when the second and third diodes are switched on and is connected between a connection point of the second diode and the third diode and the ground is met by the capacitance which parallel to the voltage dividing circuit 60 (page 2, line 12 to page 3, line 20).

## Allowable Subject Matter

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3. Claims 3-4 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

#### Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Yamamoto et al. (US Patent No. 6,914,639 B2) disclose combination tuner capable of receiving television signal and FM signal.

Yamamoto et al. (US Patent No. 6,351,294 B1) disclose television signal receiving tuner capable of receiving FM broadcasting signals without being affected by other interference signals.

Endo (US Patent No. 6,344,881 B1) discloses television tuner capable of receiving CATV broadcasting signal and ground wave FM broadcasting signal.

Ohira (US Patent No. 6,342,928 B1) discloses receiver having a tuning circuit with a selectable input.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Trang U. Tran whose telephone number is (571) 272-7358. The examiner can normally be reached on 8:00 AM - 5:30 PM, Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David L. Ometz can be reached on (571) 272-7593. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

July 20, 2006

Trang U. Tran Examiner Art Unit 2622